

IN THE CLAIMS:

The status of the claims is noted below.

Claims 1-11 (Canceled).

12. (New) A network device for a wireless network, comprising:
receiver means for receiving information; and
means configured and adapted for adjusting a transmission power level of said
network device on the basis of a power control recommendation received from a peer network
device via said receiving means.

13. (New) The network device of claim 12, comprising:
means configured and adapted for generating a power control recommendation for
said peer network device on the basis of a transmission signal received from said peer network
device.

14. (New) The network device of claim 13, comprising:
transmitter means configured and adapted for transmitting said power control
recommendation for said peer network device on a dedicated control channel.

15. (New) The network device of claim 13, wherein said power control
recommendation comprises information pertaining to a transmit power level and a desired
received power level of said network device.

16. (New) The network device of claim 12, wherein:
said receiver means is configured and adapted for receiving said power control
recommendation on a dedicated control channel.

17. (New) The network device of claim 12, wherein said power control recommendation comprises identifiers indicative of a communication link for which said power control recommendation is valid.

18. (New) The network device of claim 12, comprising:
means configured and adapted for identifying a communication link for which said power control recommendation is valid on the basis of a time slot in which said power control recommendation was transmitted.

19. (New) The network device of claim 12, wherein:
said receiver means is configured and adapted for effecting said reception of said power control recommendation in a time divisional access mode.

20. (New) The network device of claim 12, comprising:
transmitter means configured and adapted to transmit a power control recommendation at an accordingly lower transmit power level if said network device has information about a link quality to a receiving device and to otherwise transmit said power control recommendation at a maximum transmit power level.

21. (New) A network device for a wireless network, comprising:
receiver means for transmitting information; and
means configured and adapted for generating a power control recommendation for a peer network device on the basis of a transmission signal received from said peer network device via said receiver means.

22. (New) The network device of claim 21, comprising:
transmitter means configured and adapted for transmitting said power control recommendation for said peer network device on a dedicated control channel.

23. (New) The network device of claim 21, wherein said power control recommendation comprises identifiers indicative of a communication link for which said power control recommendation is valid.

24. (New) The network device of claim 21, wherein said power control recommendation comprises information pertaining to a transmit power level and a desired received power level of said network device.

25. (New) The network device of claim 21, comprising:
transmitter means configured and adapted for effecting transmission of said power control recommendation in a time divisional access mode.

26. (New) The network device of claim 21, comprising:
transmitter means configured and adapted to transmit a power control recommendation at an accordingly lower transmit power level if said network device has information about a link quality to a receiving device and to otherwise transmit said power control recommendation at a maximum transmit power level.

27. (New) A communication device configured and adapted for peer-to-peer wireless communication, comprising:

receiver means for receiving information; and
means configured and adapted for adjusting a radio transmission power level of said communication device based on the contents of a first message received from another communication device via said receiver means.

28. (New) The communication device of claim 27, comprising:

means configured and adapted for generating a second message recommending a power level adjustment for said another communication device on the basis of a signal strength of a radio signal received from said another communication device.

29. (New) The communication device of claim 28, comprising:

radio transmitter means configured and adapted for radioing said second message on a dedicated control channel.

30. (New) The communication device of claim 28, wherein said second

message comprises information pertaining to a transmit power level and a desired received power level of said network device.

31. (New) The communication device of claim 28, comprising:

radio transmitter means configured and adapted to radio said second message at a power level chosen in accordance with a link quality to a receiving communication device if said communication device has information about said link quality and to otherwise radio said second message at a maximum power level.

32. (New) The communication device of claim 27, wherein:

said receiver means comprises radio receiver means configured and adapted for receiving said first message on a dedicated control channel.

33. (New) The communication device of claim 27, wherein said first message

comprises identifiers indicative of a communication link to which said first message pertains.

34. (New) The communication device of claim 27, comprising:

means configured and adapted for identifying a communication link to which said first message pertains based on a time slot in which said first message was received.

35. (New) The communication device of claim 27, wherein said receiver means comprises:

radio receiver means configured and adapted for effecting said reception of said first message in a time divisional access mode.

36. (New) A communication device configured and adapted for peer-to-peer wireless communication, comprising:

receiver means for receiving information; and

means configured and adapted for generating a message recommending a power level adjustment for another communication device on the basis of a signal strength of a radio signal received from said another communication device via said receiver means.

37. (New) The communication device of claim 36, comprising:

radio transmitter means configured and adapted for radioing said message on a dedicated control channel.

38. (New) The communication device of claim 36, wherein said message comprises identifiers indicative of a communication link to which said message pertains.

39. (New) The communication device of claim 36, wherein said message comprises information pertaining to a transmit power level and a desired received power level of said network device.

40. (New) The communication device of claim 36, comprising:

means configured and adapted for identifying a communication link to which said message pertains based on a time slot in which said message was received.

41. (New) The communication device of claim 36, wherein said receiver means comprises:

radio receiver means configured and adapted for effecting said reception of said message in a time divisional access mode.

42. (New) The communication device of claim 36, comprising:

radio transmitter means configured and adapted to radio said message at a power level chosen in accordance with a link quality to a receiving communication device if said communication device has information about said link quality and to otherwise radio said message at a maximum power level.

43. (New) A communication system comprising two or more peer communication devices, wherein said communication system is configured and adapted for effecting peer-to-peer wireless communication comprising communication of a power control recommendation from one of said communication devices to one or more other of said communication devices.

44. (New) The communication system of claim 43, wherein said communication of said power control recommendation is effected via a dedicated control channel.

45. (New) The communication system of claim 43, wherein said power control recommendation comprises identifiers indicative of a communication link for which said power control recommendation is valid.

46. (New) The communication system of claim 43, wherein said power control recommendation comprises information pertaining to a transmit power level and a desired received power level of said one of said communication devices.

47. (New) The communication system of claim 43, wherein said peer-to-peer wireless communication comprises a granting of resources by a central controller.

48. (New) The communication system of claim 47, wherein said granting of resources is the sole involvement of said central controller in said peer-to-peer wireless communication.

49. (New) The communication system of claim 43, wherein said peer communication devices are mobile terminals.

50. (New) The communication system of claim 43, wherein said communication of said power control recommendation is effected in a time divisional access mode.

51. (New) The communication system of claim 43, wherein said time slot in which said power control recommendation is communicated is indicative of a communication link for which said power control recommendation is valid.

52. (New) The communication system of claim 43, wherein said communication system is configured and adapted for effecting adjustment of a transmission power level of at least one of said one or more other of said communication devices on the basis of said power control recommendation communicated from said one of said communication devices.

53. (New) A communication system comprises two or more peer communication devices, wherein said communication system is configured and adapted for effecting adjustment of a transmission power level of one of said communication devices on the basis of a power control recommendation communicated via peer-to-peer wireless communication from another of said communication devices to said one of said communication devices.

54. (New) The communication system of claim 53, wherein said communication of said power control recommendation is effected via a dedicated control channel.

55. (New) The communication system of claim 53, wherein said power control recommendation comprises identifiers indicative of a communication link for which said power control recommendation is valid.

56. (New) The communication system of claim 53, wherein said power control recommendation comprises information pertaining to a transmit power level and a desired received power level of said another of said communication devices.

57. (New) The communication system of claim 53, wherein said peer-to-peer wireless communication comprises a granting of resources by a central controller.

58. (New) The communication system of claim 57, wherein said granting of resources is the sole involvement of said central controller in said peer-to-peer wireless communication.

59. (New) The communication system of claim 53, wherein said peer communication devices are mobile terminals.

60. (New) The communication system of claim 53, wherein said communication of said power control recommendation is effected in a time divisional access mode.

61. (New) The communication system of claim 53, wherein said time slot in which said power control recommendation is communicated is indicative of a communication link for which said power control recommendation is valid.

62. (New) A method for power control, comprising the step of:

wirelessly communicating a power control recommendation from a first communication device to a peer communication device of said first communication device.

63. (New) The method of claim 62, further comprising the step of:
adjusting the transmission power level of said peer communication device on the basis of said power control recommendation.

64. (New) The method of claim 62, wherein said communication of said power control recommendation is effected via a dedicated control channel.

65. (New) The method of claim 62, wherein said power control recommendation comprises identifiers indicative of a communication link for which said power control recommendation is valid.

66. (New) The method of claim 62, wherein said power control recommendation comprises information pertaining to a transmit power level and a desired received power level of said first communication devices.

67. (New) The method of claim 62, wherein said wireless communication comprises a granting of resources by a central controller.

68. (New) The method of claim 67, wherein said granting of resources is the sole involvement of said central controller in said peer-to-peer wireless communication.

69. (New) The method of claim 62, wherein said first communication device and said peer communication device are mobile terminals.

70. (New) The method of claim 62, wherein said wireless communication is effected in a time divisional access mode.

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71. (New) The method of claim 62, wherein said time slot in which said power control recommendation is communicated is indicative of a communication link for which said power control recommendation is valid.

72. (New) The method of claim 62, wherein said wireless communication is effected by said first communication device at a power level chosen in accordance with a link quality to said peer communication device if said first communication device has information about said link quality and otherwise at a maximum power level.

73. (New) A method for power control, comprising the step of:
adjusting a transmission power level of a first communication device on the basis of a power control recommendation wirelessly communicated from a peer communication device to said first communication device.

74. (New) The method of claim 73, wherein said communication of said power control recommendation is effected via a dedicated control channel.

75. (New) The method of claim 73, wherein said power control recommendation comprises identifiers indicative of a communication link for which said power control recommendation is valid.

76. (New) The method of claim 73, wherein said power control recommendation comprises information pertaining to a transmit power level and a desired received power level of said first communication devices.

77. (New) The method of claim 73, wherein said wireless communication comprises a granting of resources by a central controller.

78. (New) The method of claim 77, wherein said granting of resources is the sole involvement of said central controller in said peer-to-peer wireless communication.

79. (New) The method of claim 73, wherein said first communication device and said peer communication device are mobile terminals.

80. (New) The method of claim 73, wherein said wireless communication is effected in a time divisional access mode.

81. (New) The method of claim 73, wherein said time slot in which said power control recommendation is communicated is indicative of a communication link for which said power control recommendation is valid.

82. (New) The method of claim 73, wherein said wireless communication is effected by said peer communication device at a power level chose in accordance with a link quality to said first communication device if said peer communication device has information about said link quality and otherwise at a maximum power level.

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